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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2009; month=1; day=2; hr=13; min=27; sec=45; ms=151;]

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Validated By CRFValidator v 1.0.3

Application No: 10078927 Version No: 6.0

Input Set:

Output Set:

Started: 2008-12-17 16:27:28.384
Finished: 2008-12-17 16:27:28.547
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 163 ms
Total Warnings: 0
Total Errors: 1
No. of SeqIDs Defined: 3
Actual SeqID Count: 3

Error code	Error Description
E 257	Invalid sequence data feature in <221> in SEQ ID (3)

SEQUENCE LISTING

<110> St. Jude Children's Research Hospital
Curran, Thomas
Keshvara, Lakhu

<120> Cyclin Dependent Kinase 5 Phosphorylation of Disabled 1 Protein

<130> SJ-01-0032

<140> 10078927
<141> 2002-02-19

<160> 3

<170> PatentIn version 3.5

<210> 1
<211> 6
<212> PRT
<213> Mus musculus

<220>
<221> DOMAIN
<222> (1)..(6)
<223> smallest carboxy terminal Dab1 tryptic fragment containing a Cdk5 phosphorylation site

<220>
<221> SITE
<222> (3)..(3)
<223> Serine at residue #3 equates to Serine491 in mouse Dab1 sequence

Cdk5 phosphorylation of Serine requires a Proline (P) in the +1 position and a Lysine (K) in the +3 position

<400> 1

Gln Ser Ser Pro Ser Lys
1 5

<210> 2
<211> 24
<212> PRT
<213> Mus musculus

<220>
<221> DOMAIN
<222> (1)..(24)
<223> Dab1 tryptic fragment containing a Cdk5 phosphorylation site

<220>
<221> SITE
<222> (21)..(21)

<223> Serine at Reisdue 21 equates to Serine515 in mouse Dab1 sequence

       Cdk5 phosphorylation of Serine requires a Proline (P) in the +1
       position and a Lysine (K) in the +3 position

<400> 2

Ser Ser Ala Ser His Val Ser Asp Pro Thr Ala Asp Asp Ile Phe Glu
1   5   10   15

Glu Gly Phe Glu Ser Pro Ser Lys
            20

<210> 3
<211> 14
<212> PRT
<213> Mus musculus

<220>
<221> DOMAIN
<222> (1)..(14)
<223> Dab1 phosphopeptide domain used for antibody production

<220>
<221> MOD_RES
<222> (8)..(8)
<223> PHOSPHORYLATION, equates to Serine491 in mouse Dab1 sequence

       Cdk5 phosphorylation of Serine requires a Proline (P) in the +1
       position and a Lysine (K) in the +3 position

<400> 3

Thr Pro Ala Pro Arg Gln Ser Ser Pro Ser Lys Ser Ser Ala
1   5   10